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commencement of an hour, A will have traveled half as far, and hence B can never overtake him.

To the human mind, in the absence of all other knowledge, this demonstration is rigorously correct and conclusive. But we know that the conclusion is absolutely the opposite of the truth. The only explanation formerly given was, that while the human mind cannot comprehend it, the space between A and B finally becomes infinitely small, or, as compared with finite quantities, *nothing*.

J. H. DRUMMOND.

II. It is often stated that it is impossible to trisect an angle with the rule and compass only. Has this impossibility been demonstrated and if so where can the demonstration be found?

W. E. HEAL.

EDITORIALS.

We shall consider it a great favor if all subscribers who have not yet paid their subscription for 1895, will kindly remit at once. We need the money to pay the Publishers.

At a recent meeting of the Philosophical Faculty of Yale University, Editor Finkel was assigned a graduate Scholarship for the academical year of 1895-6.

Rudyard Kipling will shortly return to India where he will prepare, for *The Cosmopolitan*, twelve articles to appear in the American and English editions of that magazine. India is one of the most interesting of countries, and Mr. Kipling is able to write of it as no one else. His work will be looked forward to with world-wide expectation.

Leonard E. Dickson, of the Chicago University, was reappointed to a Fellowship and will remain at the University another year.

There are a number of our subscribers in arrears for 1894. We shall consider it a kindness if those who are owing for 1894, will remit the amount of the subscription at once. A mathematical journal of the size and scope of the MONTHLY can not be published without funds, and were it not for a number of our mathematical friends aiding us financially the MONTHLY would be obliged to discontinue.

Subscribers who wished their subscription to cease with Vol. I. should have notified us on the receipt of Dec. No. Some after receiving three or four extra numbers, ask us to discontinue, without paying for the extra copies.

Our mathematics does not teach any such principles and should we find among our mathematical collections a book teaching any such doctrine we would consign the same to the flames. One of the very best things that can be claimed for the study of mathematics is that it develops strong tendencies to honesty and justice.

BOOKS AND PERIODICALS.

The Cosmopolitan: An Illustrated Monthly Magazine. Edited by John Brisben Walker and Arthur Sherburne Hardy. Price, $1.50 per year. Single Number 15 cents.

Perhaps the most beautiful series of pictures ever presented of the Rocky mountains will be found in a collection of fourteen original paintings, executed by Thomas Moran for the May Cosmopolitan. To those who have been in the Rockies, this issue of The Cosmopolitan will be a souvenir worthy of preservation. This number contains fifty-two original drawings, by Thomas Moran, Oliver Herford, Dan Beard, H. M. Eaton, F. G. Attwood, F. O. Small, F. Lix, J. H. Dolph, and Rosina Emmett Sherwood, besides six reproductions of famous recent works of art, and forty other interesting illustrations—ninety-eight in all. Though the Cosmopolitan sells for but fifteen cents, probably no magazine in the world will present for May so great a number of illustrations specially designed for its pages by famous illustrators. The fiction in this number is by F. Hopkinson Smith, Gustav Kobbe, W. Clark Russell, Edgar W. Nye, and T. C. Crawford.

The Ascent of Man. By Henry Drummond, LL.D., F.R.S.E., F.G.S. Fourth Edition. 8vo cloth. 346 pp. Price, $2.00. New York: James Potts & Co., Publishers.

This, to my mind, is the crowning glory of Dr. Drummond's writings. Treating as he does one of the profoundest questions in the history of man, he has told the story of man's Ascent as seen in the light of modern science, in a way that can not fail to impress deeply the most unscientific mind. And though the Author, in his preface, modestly says that the theme is Ascent not Decent, and that the book is a Story not an Argument, yet the Story is so full of sound statements that it has all the force of argument. The book is one we trust will fall into the hands of every lover of scientific research. It is truly scientific and bears no marks of skepticism. B.F.F.

The Basis: A Weekly Journal of Citizenship. Edited by Judge Albion W. Tourgee, Mayville, N. Y., and Published by the Citizens' Publishing Co., Buffalo, N. Y. Price, $1.50 per year. 10 cts. per copy.

The first number of this Journal which has for its object the elevation of the people to higher citizenship and the dissemination of sound principles of government, appeared in April, 1895.

As its editor is one of the leading writers, and one of the ablest jurists in this country, and as the objects of the Journal are noble and unselfish, its success is written on every page. It deals with all questions relating to government and society. Its editor is a fearless and uncompromising advocate of common justice and equal rights. The Basis should be in every home in the land. B. F. F.